

ABSTRACT

5 The concentration of air or other agents in a fluid
delivery line is determined by monitoring agent signals and
processing those agent signals along with information
regarding the age of each agent signal. The processor
determines a primary agent concentration value based on the
received agent signal values, with the primary agent
concentration value determined by giving greater weight to
more recent agent signal values. Where the primary agent
10 concentration value exceeds a primary threshold value, an
alarm signal may be activated. The processor also may
determine a secondary agent concentration value, which may be
determined from the actual agent signal values instead of the
weighted agent signal values. Where the secondary agent
15 concentration value exceeds a secondary threshold value, an
alarm signal may be activated.